


Air Force Modeling and Simulation Resource

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Address <http://afmsrr.afams.af.mil/>



Version 4.01G

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The Air Force Agency for Modeling and Simulation (AFMS) is the official Air Force Modeling and Simulation Resource Repository (MSRR), as directed by **Headquarters Air Force Modeling and Simulation (AFMS)** (XOC), serving as the official Air Force Modeling and Simulation Resource Repository.

AFMS Golden Legacy, Boundless Future YEARS


The goal is to provide a central repository for modeling and simulation data, to reuse and avoid duplication, to provide a central repository for modeling and simulation data, to reuse and avoid duplication, to provide a central repository for modeling and simulation data, to reuse and avoid duplication.

Logged On: RC, AFMSRR
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Army Model & Simulation Resource Repository

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Address <http://www.msrr.army.mil/>



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The Army MSRR is part of the DoD-wide system of Modeling and Simulation Resource Repositories (MSRR). The MSRR promotes information sharing and communication among modeling and simulation organizations and a significant effort in leveraging M&S technologies for the Army. It is intended as a guide and directory to help locate, access, and obtain M&S resources. The Army MSRR is part of the DoD-wide system of Modeling and Simulation Resource Repositories (MSRR). The MSRR promotes information sharing and communication among modeling and simulation organizations and a significant effort in leveraging M&S technologies for the Army. It is intended as a guide and directory to help locate, access, and obtain M&S resources.


AMS The Army Modeling and Simulation Resource Repository

Be all you can be.

Navy Modeling & Simulation Catalog - Microsoft

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Address <http://navmsmo.hq.navy.mil/nmsicat/>



NAVMSMO
navy modeling & simulation management office

Navy M&S catalog

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The **Navy Modeling and Simulation Catalog** is part of a DoD-wide system of M&S databases (**MSRR**) that allows users to discover, access, and obtain M&S resources that support military assessments, training, and acquisition.

Mission: To provide leadership and guidance for modeling policy, strategy, investment, and practices; to oversee maintenance of a model repository; to provide technical assistance to model users and developers; to review resource expenditures on new model development; to sponsor initiatives for the community good and to provide centralized coordination of U.S. Navy Modeling and Simulation.

DISCLAIMER
The Site is Maintained by the NAVMSMO.

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Last Updated: 4/28/1998

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Internet zone

Where we are today

- Developed common data structure to share M&S resources easily
- Populate, display, and maintain M&S resources based on individual Service preferences
- Common system provides easy searching across all repositories
- Access to nearly 2500 resources

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NAVMSMO

navy modeling & simulation management office

Navy M&S catalog

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Ordered by: Title

[Acoustic System Performance Model \(ASPM\)](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[ArchVision](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[Attack Submarine Analysis Data Book - ASAD](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/29/1998

Summary: Detailed numerical data to support engineering- and platform-level modeling, of ASW, particularly sonar detection, classification, approach/attack, weapons and countermeasures. Includes threat (Russian and rest-of-world) submarine and ASW surface ship force levels & general characteristics, radiated noise, sonar parameters, target strength; threat weapons maneuvering characteristics, radiated noise, general characteristics; threat ASW aircraft, acoustic and electromagnetic sensors; US submarine data includes force levels & general characteristics, radiated noise, sonar characteristics (self-noise, recognition differential, active source levels, directivity, transfer functions, system loss, tracker characteristics, weapons, countermeasures.

[Backgrounds Center of Expertise](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[Bottom Conductivity](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[Computer Aided Embarkation Management system \(CAEMS\)](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[Consolidated Low Frequency Bottom Loss \(CLFBL\)](#)

Data Source

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View: 1 - 10

Ordered by: Date

[Axisymmetric/Planar Elastic Structures - APES](#)

Model/Simulation

Sponsor: Department of the Navy

Modified: 8/31/1998

[Search And TRACk Program - SEATRAP](#)

Model/Simulation

Sponsor: Department of the Navy

Modified: 8/31/1998

Summary: SEATRAP is an AEGIS AN/SPY-1 Radar Performance model used to evaluate probability of detection, firmltrack, clutter and ECM descrimination. Model uses an internal RPO propagation algorithm. Model performs assesement of both AAW and TBM targets

[Telecomputing Toolbox - TT](#)

Data Source

Sponsor: Department of the Navy

Modified: 8/31/1998

Summary: Configuration management and system engineering application and database for designing, implementing, and supporting networks and data communications equipment both shipboard and shore-based.

[Multi-Target Effectiveness Determined Under Simulation for AEGIS - MEDUSA](#)

Model/Simulation

Sponsor: Department of the Navy

Modified: 8/31/1998

[System Performance Evaluator Comprising Target Radar, Missile - SPECTRM](#)

Model/Simulation

Sponsor: NAVSEASYSKOM

Modified: 8/31/1998

Summary: Determines for a single target (vs. time) the performance capability of the AEGIS system in search, detection, transition-to-track, tracking, illumination, and mid-course guidance (SM-2 Block II, III, IIIA, IIIB, IV, IVA) in clear and ECM environments

[P3 Update III \(AN/ASQ 212\) Aircraft Simulation System - P3C](#)

Model/Simulation

Shortcut to view_detail.cfm?RID=MNS_N_1000480



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Army Modeling and Simulation Resource Repository

The Army MSRR is part of the DoD-wide [Model & Simulation Resource Repository \(MSRR\)](#). The MSRR promotes interoperability, reuse, and commonality through information sharing and communication throughout the M&S community. A large number of organizations and a significant degree of effort are involved throughout the US Army in leveraging M&S technologies for the execution of Title 10 responsibilities. This site is intended as a guide and directory to Internet information on these activities. Users can locate, access, and obtain M&S resources that support Training, Exercises, & Military Operations (TEMO); Advanced Concepts and Requirements (ACR); and Research, Development, and Acquisition (RDA).



The Army Model & Simulation Office (AMSO) hosts the Army MSRR.

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A list of organizations affiliated with Army M&S activities.

- [Army Materiel Command](#)
- [Army Model and Simulation Office](#)
- [Chief of Engineers](#)
- [Communications-Electronics Command](#)
- [Concepts Analysis Agency](#)
- [Cost & Economic Analysis Center](#)
- [Department of the Army](#)
- [Eighth U.S. Army](#)
- [Forces Command](#)
- [Intelligence and Security Command](#)
- [Medical Command](#)
- [Military District of Washington](#)
- [Military Traffic Management Command](#)
- [National Guard Bureau](#)
- [Office of the Secretary of Defense](#)
- [Office, Chief of Army Reserves](#)
- [Operational Test & Evaluation Agency](#)
- [Space and Missile Defense Command](#)
- [Special Operations Command](#)
- [Training & Doctrine Command](#)
- [Transportation Command](#)
- [U.S. Army Europe & 7th Army](#)
- [U.S. Army Pacific Command](#)
- [U.S. Army South](#)
- [US Army Corps of Engineers](#)



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Standard Search

Search within the Army MSRR ONLY

Search for:

Search

Select or de-select the categories of resources that you'd like to search.

- | | |
|----------------------------------------------------------|-------------------------------------------------------------|
| <input checked="" type="checkbox"/> Data Sources | <input checked="" type="checkbox"/> Organizations |
| <input checked="" type="checkbox"/> Documents | <input checked="" type="checkbox"/> Related Sites |
| <input checked="" type="checkbox"/> Model and Simulation | <input checked="" type="checkbox"/> Support Tools/Utilities |

Search Points of Contact

Search People

For system problems or questions,
contact the Army MSRR Web Administrator:
whartwd2@hqda.army.mil





Extended Search

Search selected Service Nodes

Search for:

Select or de-select the nodes that you'd like to search.

- ☒ Army MSRR (*local*)
- ☒ [AFMSRR](#)
- ☒ [Navy M&S Catalog](#)

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[664] External Search for: "simulation"

Ordered by:

1-on-N TASM

Model/Simulation - Navy M&S Catalog

Proponent: Department of the Navy

Modified: 12/15/1996

Summary: No Information provided.

A New Vector

Reference - AFMSRR

Proponent: HQUSAF - XOC (Directorate of Command and Control)

Modified: 12/2/1997

Summary: A New Vector: Air Force Modeling and Simulation, documents our efforts to date and explains a future direction relying on quality processes, effective people, and a solid infrastructure of models, simulations and data.

Aberdeen Missile Endgame Simulation

Model and Simulation - Army MSRR

Proponent: Army Materiel Command (AMC)

Modified: 6/15/1998

Summary: No Information provided.

Abrams Full Crew Interactive Simulation Trainer

Model and Simulation - Army MSRR

Proponent: Training & Doctrine Command (TRADOC)

Modified: 6/15/1998

Summary: No Information provided.

ACC - TACCSF (Theater Air Command and Control Simulation Facility)

Organization - AFMSRR

Proponent: ACC (Air Combat Command)

Modified: 8/28/1998

Summary: The Theater Air Command and Control Simulation Facility (TACCSF), located at Kirtland AFB, NM, is a unique facility with high fidelity, warfighter in-the-loop, tactical command and control (C2) and weapon system simulators.

ACQUISITION POLICY 074-004 Modeling and Simulation in Support



Version 4.02G

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- EMAC
- MEL

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*Anytime, Any Place,
On Demand.*

Updated 8/25/98

Air Force MSRR

Air Force Modeling and Simulation Resource Repository

The Air Force Agency for Modeling and Simulation (**AFAMS**) has the responsibility to implement this Air Force Modeling and Simulation Resource Repository (AFMSRR) as directed by **Headquarters Air Force**, Director for Command and Control (HQ AF/ **XOC**), serving as the official Air Force node of the **DMSO MSRR**.



The goal is to provide a single source for information about and access to DoD models, simulations, datasources, algorithms, and other M&S resources in order to facilitate reuse and avoid duplication. Air Force organizations that have existing models, simulations, datasources, algorithms, and other M&S resources are encouraged to register with the AFMSRR using the submission choices on the navigation bar. Maintenance of items within the AFMSRR is the responsibility of the information provider.

What is planned for the future

- Continue populating unclassified MSRR's
- Classified MSRR
- Interface with other MSRR nodes
- Integrate HLA, ADS, and other programs

Issues

- Develop interface with each MSRR node
- Registration of services resources
- Joint M&S resources (Joint Combat Search and Rescue (JCSAR))
- OSD M&S Resources
- DTIC ?
- BoD Charter